PATENT COOPERATION TREATY





INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference BET 03P0948	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)								
International application No. PCT/FR2003/002896	International filing date (day/n								
PCT/FR2003/002896 02 octobre 2003 (02.10.2003) 23 octobre 2002 (23.10.2002) International Patent Classification (IPC) or national classification and IPC F02D 41/40, F01N 3/08									
Applicant PEUGEOT CITROEN AUTOMOBILES S.A.									
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.									
2. This REPORT consists of a total of sheets, including this cover sheet. This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).									
These annexes consist of a t	total of sheets.								
3. This report contains indications rela	ting to the following items:								
I Basis of the report	I Basis of the report								
II Priority									
III Non-establishmen	t of opinion with regard to nove	elty, inventive step and industrial applicability							
IV Lack of unity of in	ivention								
V Reasoned statemen									
VI Certain documents	VI Certain documents cited								
VII Certain defects in the international application									
VIII Certain observations on the international application									
Date of submission of the demand	Date o	Date of completion of this report							
20 février 2004 (20.02.	.2004)	13 July 2004 (13.07.2004)							
Name and mailing address of the IPEA/EP	Autho	Authorized officer							
Facsimile No.	Telepi	Telephone No.							

Form PCT/IPEA/409 (cover sheet) (January 1994)

Translation



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FR2003/002896

I. Basis of the report								
1. This under	report Articl	has been drawn of the 14 are referred to	on the basis of in this report a	(Replacement she s "originally filed	ets which have been furnished to the receiving Office in response to an invitation " and are not annexed to the report since they do not contain amendments.):			
		the international	application as	originally filed.				
	\boxtimes	the description,	pages	1-6	, as originally filed,			
			pages	· · · · · · · · · · · · · · · · · · ·	, filed with the demand,			
			pages		, filed with the letter of,			
,			pages		, filed with the letter of			
	\boxtimes	the claims,	Nos	1-8	, as originally filed,			
					_ , as amended under Article 19,			
			Nos		, filed with the demand,			
			Nos		, filed with the letter of,			
			Nos.		, filed with the letter of			
!	\boxtimes	the drawings,	sheets/fig	1/2-2/2	, as originally filed,			
			sheets/fig	· · · · · · · · · · · · · · · · · · ·	, filed with the demand,			
			sheets/fig		, filed with the letter of,			
					, filed with the letter of			
2. The a	mendi	ments have resulte	ed in the cance	llation of:				
		the description,	pages					
		the claims,						
		the drawings,						
3	to go	report has been es beyond the disclo	stablished as if osure as filed, a	(some of) the ar as indicated in th	mendments had not been made, since they have been considered are Supplemental Box (Rule 70.2(c)).			
A A 33:11	: . 1	·						
4. Additi	ional	observations, if ne	ecessary:					
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/FR 03/02896

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
1.	Statement							
	Novelty (N)	Claims	1-8	YES				
		Claims		NO				
	Inventive step (IS)	Claims	1-8	YES				
		Claims		NO				
	Industrial applicability (IA)	Claims	1-8	YES				
		Claims		NO NO				

2. Citations and explanations

Document EP-A-1 035 315 is considered to be the closest prior art.

Document EP-A-1 035 315 discloses (figures 14-15c; columns 32 and 33) the regeneration of a NOx trap in a DIESEL engine,

using a lean-mixture standard operating mode with a pilot injection and a main injection (figure 14A; column 29, lines 20-24)

and

- a rich-mixture regeneration mode (column 33, lines 1-19; figure 14c, lambda ≤/=1) with at least two pilot or main injections.

The number of pilot or main injections is not, however, a function of engine load. This leads to problems with regard to engine control in rich-mixture mode. This solution is not proposed in the prior art.

Claims 2-8 are dependent on claim 1 and, as such, therefore also fulfil the PCT requirements of novelty and inventive step.